

Dual Incu *i*

Atom Infant Incubator 100

Main Unit	Add-on Unit
Description	Description
with O <sub>2</sub> Controller, for AC120V±10%	Weight Monitor Unit (w/NAWI Verification)
with O <sub>2</sub> Controller, for AC230V±10%	SpO <sub>2</sub> Unit (Masimo)
without O <sub>2</sub> Controller, for AC120V±10%	SpO <sub>2</sub> Unit (Nellcor)
without O <sub>2</sub> Controller, for AC230V±10%	

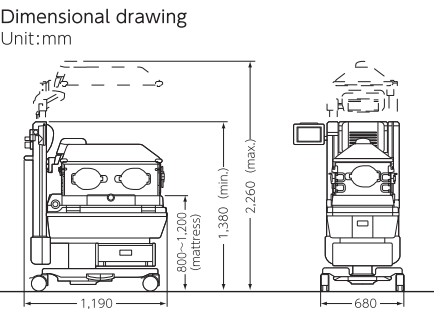
Specifications

Power requirements	Customer specified
Power consumption	800VA (Maximum)
Frequency	50/60Hz
Type of protection	Class I
Degree of protection	Type BF applied part
Classification	IIb, Rule 9
Dimensions	Main body (with HL Stand) : 680(W)x1190(D)x1380-2260(H) mm Mattress surface : 800-1200 mm / with Weight Monitor Unit : 815-1215 mm External display : 245(W)x65(D)x160(T) mm Mattress : 650(W)x365(D)x20(T) mm
Weight	Approx. 128Kg / with Weight Monitor Unit : Approx. 132Kg
Noise level	Approx. 41dBA / with Humidification : Approx. 44dBA
Accessories	Skin Temp Probe, 5mm O.D. x 1, Pneumoclean x 1, Dust Cover x 1, Access Port Cover x 2, Oxygen Sensor (with O <sub>2</sub> Controller) x 2, Piping Connecting Hose 3m (for Oxygen) (with O <sub>2</sub> Controller) x 1, Operation Manual x 1
Incubator air temp. setting range	23.0-37.0°C / 73.4-98.6°F / Override 37.1-39.0°C / 98.8-102.2°F
Incubator air temp. display range	20.0-42.0°C / 68.0-107.6°F
Incubator air temp. display accuracy	±0.8°C
Skin temp. setting range	[Inciubator mode] 34.0-37.5°C / 93.2-99.5°F / Over ride 37.6-38.0°C / 99.7-100.4°F [Infa Warmer mode] 34.0-37.5°C / 93.2-99.5°F / Over ride 37.6-38.0°C / 99.7-100.4°F
Skin temp. display range	[Inciubator mode] 30.0-42.0°C / 86.0-107.6°F [Infa Warmer mode] 30.0-42.0°C / 86.0-107.6°F
Skin temp. display accuracy	±0.3°C
Heater output	0-100% (in 10 levels)
Relative humidity setting range	40-95%Rh
Relative humidity display range	15-99%Rh
Relative humidity display accuracy	±10%Rh
Alarms	Power failure, Fan, System, High temp., Set temp., Baby check, Skin temp. probe, Humidity sensor, Low water level, No water, Humidity chamber off, Set humidity, Oxygen sensor

O <sub>2</sub> Controller	
Control mode	Servo control
Setting range	22~65% (in 1% increments)
Display range	15~105%
Measurement accuracy	±2%O <sub>2</sub> (15~25%O <sub>2</sub> ) ±3%O <sub>2</sub> (25~100%O <sub>2</sub> )
Calibration	21%O <sub>2</sub>
Alarms	oxygen sensor, oxygen concentration, oxygen flow rate, oxygen sensor not calibrated

SpO <sub>2</sub> Unit [Masimo/Nellcor] (Add-on Unit)	
SpO <sub>2</sub>	Display range:1~100% Accuracy (in 70-100%)±3% Alarm function setting range Upper limit:50~99%, OFF Lower limit:45~95%, OFF
Pulse rate	Display range:25~240bpm Accuracy (in 25-240bpm) ±3% Alarm function setting range Upper:limit 80~240bpm, OFF Lower:limit 35~180bpm, OFF
Mode (Masimo)	Averaging time: 4,6, 8,10,12,14,16sec. Sensitivity setting: APOD, Normal, Max FastSat:ON, OFF SatSeconds:10,25,50,100,OFF Response:Normal, Fast
(Nellcor)	

Weight Monitor Unit (Add-on Unit)	
Weighing range	300~7000g
Scale interval	1g (without official Verification) 5g (with official Verification)



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# Dual Incu *i*

Infant Incubator



CE 0123



Happier Living Everyday



# New Generation

*The new generation infant incubator has inherited the highest quality features and state-of-the-art technology, meeting the various requirements of the healthcare professional.*



Incubator mode

*Superior performance as an infant warmer enables better medical treatment.*



## ◆ The functions for resuscitation are well-supported

Resuscitation can be easily performed using the optional resuscitation unit.

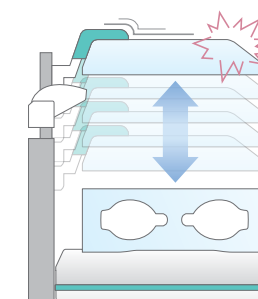
## ◆ Heating

The mattress is warmed uniformly and enables stable thermal management.



## ◆ Electrical canopy lift

When the canopy is moved up or down in order to change the operation mode, the operator can stop the up/down movement at any time. Furthermore, if there is any obstacle during the movement, the canopy is automatically stopped for safety reason.





*Superior performance as an infant warmer enhances the value of the dual-mode type incubator.*



◆ Enables prompt treatment at the delivery room and NICU



Infant Warmer mode

\* The drawer shown is optional



*The Dual Incu i can perform in a wider range of hospital settings through the incubator mode and infant warmer mode.*

### Open-care

*Superior performance as an infant warmer enables better medical treatment.*



### ◆ Power Pack i

Power pack i can maintain appropriate temperature and humidity while in motion, unexpected power failure or power problems.



### ◆ Touch control panel

Color display offers intuitive operation and easy identification of each parameter.

### ◆ Trend display

The trend display function helps identify changes in the infant's vital signs and the environment within the incubator.  
(Air temperature/Skin temp 1. 2./Relative humidity/Oxygen concentration/Heater output/SpO2/Pulse rate)



### ◆ Easily detachable humidity chamber

The humidity chamber can be detached and easily cleaned.



### ◆ Sanitary structure for thorough cleaning of the unit

The component parts of the incubator can be detached and cleaned easily.

### ◆ Weight monitor

The infant's weight can be measured automatically in the incubator and displayed in 1g increments.



## Developmental care

*The Dual Incu i ensures noise levels are kept to a minimum, maintaining a quiet environment to minimise the infant's stress*

### ◆ Rotary damper control for quieter operation of the admittance panel

The admittance panel can be dropped down slowly and silently to reduce infant noise stress.

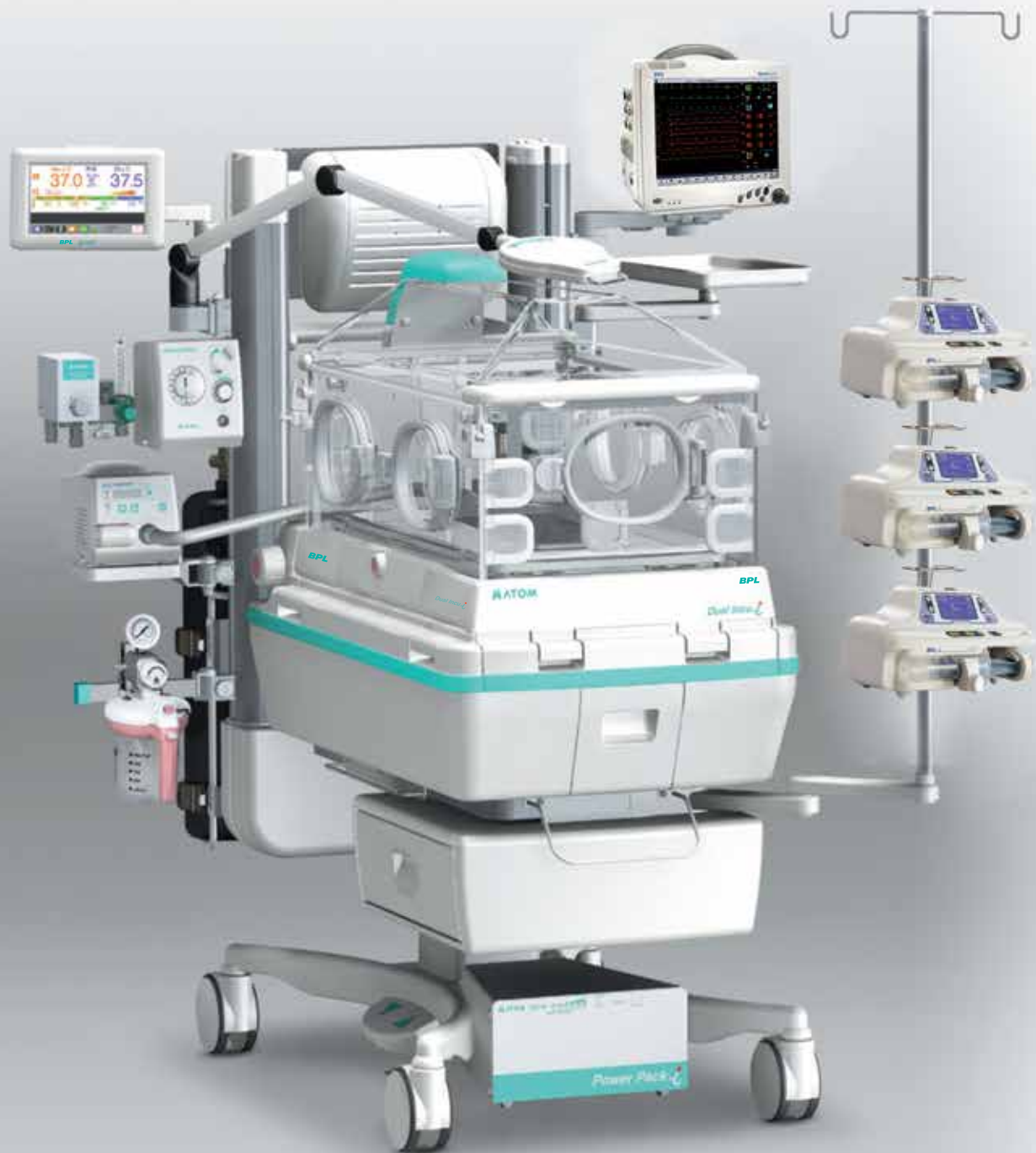
### ◆ Snap-open access ports can be opened and closed silently

The infant is protected from the stress of acoustic stimulation caused by opening and closing the access ports.





*Work efficiency of the medical staff is improved.*



◆ **Make the utmost use of workspace around the incubator**

Peripheral equipment can be easily mounted. Data can be communicated to external devices such as bedside monitors.

**Transport**

*The same environment in the NICU can be provided even during transportation.*

**Closed-care**

*The Dual Incu i reduces the infant's stress and supports daily care giving.*





*The advanced, high quality features of an incubator facilitate daily care giving.*

*Basic performance as an incubator.*



◆ **Compact design**

The compact size enables you to minimize the risk of infection when accessing the infant.

◆ **X-Ray cassette tray port**

An external X-Ray cassette tray prevents a drop in the incubator air temperature. The X-Ray cassette can be drawn out from either side of the incubator without opening the front admittance panel.



◆ **Double lock system**

The double lock system of the admittance panel prevents the infant from falling out of the incubator accidentally.



◆ **Air curtain of access port**

Air curtain to minimize a drop in the incubator air temperature. The air curtain prevents ambient air from entering the incubator even when the snap-open access ports are opened.



◆ **Mattress platform tilting function**

The mattress platform can be tilted without opening the front admittance panel.



◆ **Electro static filter**

A dirty filter can be checked through the transparent window. The filter is easily exchanged without using any tool.



◆ **Excellent visibility**

Excellent visibility is available from the large transparent hood even during humidification.

